

What is claimed is:

1. A push switch comprising:

a switch contact section including first and second contacts; and
an elastic element including

5 a columnar portion for connecting the first and second
contacts by pushing the first contact,

a hollow conical portion extending from a junction
positioned at an end of the columnar portion, the conical portion having a
truncated conical shape, and

10 a thick portion provided at a whole circumference of the
junction,

wherein, in the thick portion, a distance from an intersection
where an extension line an outer circumference of the columnar portion and
an extension line of an outer circumference of the conical portion cross to an
15 intersection where an outer circumference of the junction and a bisector of a
crossing angle formed by the extension line of the outer circumference of the
columnar portion and the extension line of the outer circumference of the
conical portion ranges from 0.08 times to 0.14 times of a thickness of the
conical portion.

20 2. The push switch of claim 1, wherein the elastic element further
includes a protrusion provided at a side of the columnar portion towards the
conical portion, for pushing the first contact.

25 3. The push switch of claim 2, further comprising a conductive portion
provided on the protrusion and operating as the first contact.

4. The push switch of claim 1, wherein the outer circumference of the thick portion has an arc shape having a center on the bisector, the arc shape being tangential to both the outer circumstance of the conical portion and the outer circumstance of the columnar portion.

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5. The push switch of claim 1, further comprising a push button mounted on a side of the columnar portion opposite to the conical portion, the push button being movable along the conical portion.

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6. The push switch of claim 5, wherein the switch contact section further includes a substrate for supporting the second contact, said push switch further comprising a case fixed on the substrate, the case supporting the push button movably.

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7. The push switch of claim 1, further comprising a conductive portion provided on the protrusion and operating as the first contact.